

***Myurella julacea* (Schwaegr.) B.S.G.**

Status: State Working List

Rank: S1G5

General Description: *Myurella julacea* forms small, light-green to glaucous tufts or mats from 1 - 3 cm tall with julaceous branches. Leaves are closely imbricate, rounded-ovate to rounded-obtuse, occasionally apiculate; the margins are plane to incurved, serrate; costa is faint or lacking; upper median cells are irregular to rhomboidal, short, smooth or papillose. Sporophytes, which are not common, are yellow-brown, oblong-obovoid, with a distinct neck on 6 - 16 mm tall setae.

Identification Tips: This species can be distinguished from *Myurella sibirica* by its strongly julaceous branches and obtuse (or sometimes with a very small apiculus) apex of the leaves.

Range: In the Pacific Northwest, *Myurella julacea* occurs in Alaska, British Columbia, Idaho, and Montana. In Washington, it is known from Jefferson and Mason counties.

Habitat: This species occurs on shaded, damp cliffs and in crevices or on ledges, often in calcareous areas, although it is not restricted to basic substratum. It occurs from sea-level to subalpine areas.

State Status Comments: All of the historic known locations in Washington are restricted to the Olympic Peninsula. Its small size and usual lack of sporophytes may have resulted in undercollection.

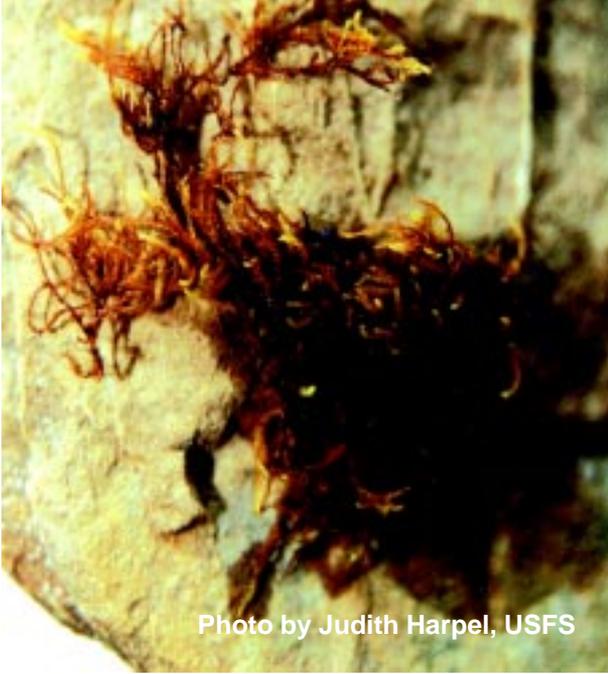
Inventory Needs: Historic sites need to be revisited to determine whether *Myurella julacea* persists. Additional similar habitat should be visited.

Threats and Management Concerns: Because this species is dependent on damp, shaded cliffs and rock outcrops, changes in canopy cover could impact the species by changing the light intensity and moisture levels.

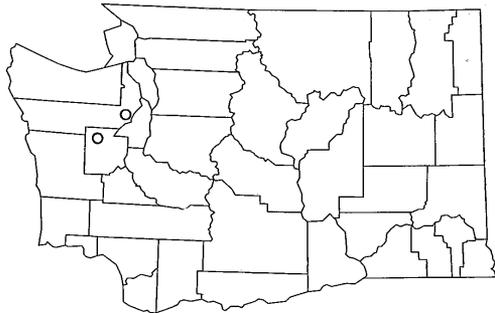
References:

- Crum, H.A., L.E. Anderson. 1981. *Mosses of Eastern North America*, 2 volumes, Columbia University Press. New York. 1328 pp.
- Lawton, E., 1971. *Mosses of the Pacific Northwest*. The Hattori Botanical Laboratory. Nichinan, Miyazaki, Japan. 362 pp.
- Schofield, W.B., 1976. Bryophytes of British Columbia III: habitat and distributional information for selected mosses. *Syesis*. 9: 317-354.

Myurella julacea (Schwaegr.) B.S.G.



Known distribution of *Myurella julacea* in Washington



- Current (1980+)
- Historic (older than 1980)

2003 Produced as part of a cooperative project between the Washington Department of Natural Resources, Washington Natural Heritage Program, and the U.S.D.A., Forest Service, Olympic National Forest. The author of these fact sheets is Judy Harpel, Region 6, USFS. Persons needing this information in an alternate format may call (360) 902-1340 or TTY (360) 902-1125.